

Converting Colors

XYZ(34.0500, 46.7626, 40.6225)

Have a look what the booklet for
XYZ(34.0500, 46.7626, 40.6225)
contains.

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Color

**XYZ(34.0105, 46.7778,
40.4942)**

Conversions

Conversions Part 1

Format	Color
Hex	76C6A0
RGB	118, 198, 160
RGB Percent	46%, 78%, 63%
CMY	0.5372, 0.2235, 0.3725
CMYK	0.40, 0.00, 0.19, 0.22
HSL	151°, 41%, 62%
HSV	151°, 40%, 78%
XYZ	34.0105, 46.7778, 40.4942
YIQ	169.7480, -35.4820, -28.7780

Conversions

Conversions Part 2

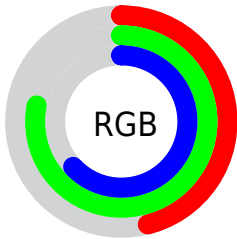
Format	Color
RYB	118, 170, 198
Decimal	7784096
CIELab	74.05, -33.16, 11.43
CIELCh	74, 35.076, 160.987
Yxy	46.7778, 0.2804, 0.3857
Android (android.graphics.Color)	4285974176 (0xFF76C6A0)
YUV	169.7480, -4.8058, -45.3830
Hunter-Lab	68.3943, -30.9272, 12.7722

Details

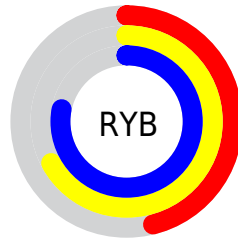
The XYZ color **34.0105, 46.7778, 40.4942** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.7695, 27.3641, 34.8510**, and the grayscale version is **38.1199, 40.1051, 43.6744**.

A 20% lighter version of the original color is **65.2593, 85.3105, 77.3170**, and **14.7944, 22.1192, 17.6770** is the 20% darker color. If you saturate the color by 10%, you get **30.8069, 45.2191, 36.2110**, and if you desaturate by 10%, it is **37.8433, 48.6562, 45.1339**.

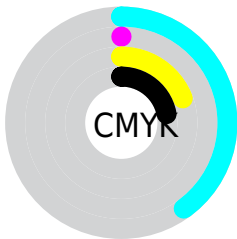
Distribution



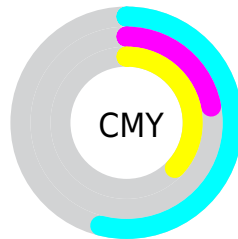
- Red (46%)
- Green (78%)
- Blue (63%)



- Red (46%)
- Yellow (67%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (19%)
- Black (22%)



- Cyan (54%)
- Magenta (22%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0105, 46.7778, 40.4942 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 34.0105, 46.7778, 40.4942 by changing the saturation by 10% instead.

■ 34.0105, 46.7778,
40.4942

■ 34.0105, 46.7778,
40.4942

311.7640,
373.9269, 363.8160

■ 23.0646, 32.8600,
27.6074

■ 65.2942, 85.3819,
77.1608

■ 14.7622, 22.0192,
17.7934

■ 86.3627, 110.8369,
101.7776

■ 8.7379, 13.8710,
10.6339

■ 111.5360,
140.9066, 131.1415

■ 4.6263, 8.0310,
5.7102

141.1797,
175.9751, 165.6710

■ 2.0622, 4.1148,
2.6037

175.6589,
216.4271, 205.7847

■ 0.6685, 1.7380,
0.8944

215.3392,

■ 0.0000, 0.4481,

262.6467, 251.9010

0.0000

260.5857,
315.0186, 304.4386

■ 0.0000, 0.0000,
0.0000

■ 34.0105, 46.7778,
40.4942

■ 34.0105, 46.7778,
40.4942

■ 30.8069, 45.2191,
36.2110

■ 37.8433, 48.6562,
45.1339

■ 28.1917, 43.9554,
32.2721

■ 42.3353, 50.8659,
50.1354

■ 26.1252, 42.9676,
28.6694


■ 47.5191, 53.4247,
55.5079


■ 24.5605, 42.2319,
25.3930


■ 53.4240, 56.3476,
61.2593


■ 23.4427, 41.7200,
22.4324


■ 60.0775, 59.6486,
67.3972

 22.6910, 41.3883,
19.8758

 67.5057, 63.3412,
73.9290

 75.1405, 67.1321,
80.8341

 76.4659, 67.6622,
87.8135

 77.8632, 68.2212,
95.1715

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.0141, 46.7778, 29.0658



34.0105, 46.7778, 40.4942



33.6466, 46.7778, 57.8001

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.0105, 46.7778, 40.4942



46.7981, 46.7778, 92.8937



54.1947, 46.7778, 31.4801

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



34.0105, 46.7778, 40.4942



35.7695, 27.3641, 34.8510

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



57.3747, 46.7778, 44.6327



34.0105, 46.7778, 40.4942



52.8449, 46.7778, 81.6886

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



34.0105, 46.7778, 40.4942



40.6485, 46.7778, 91.0395



56.8587, 46.7778, 63.0274



48.5045, 46.7778, 24.7700

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.0105, 46.7778, 40.4942



34.9072, 46.7778, 70.8541



56.8587, 46.7778, 63.0274



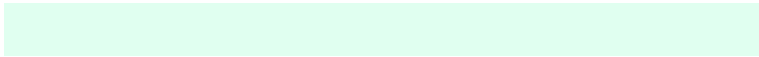
55.6158, 46.7778, 35.1468

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



34.0118, 46.7797, 40.4953



82.4219, 93.7502, 96.5518



37.3053, 48.8328, 24.5997



17.3721, 19.9332, 20.3913



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.0118, 46.7797, 40.4953



55.4316, 80.4988, 65.3543



37.5565, 47.7121, 60.6582



10.7262, 11.9794, 12.5082



14.7995, 26.9322, 13.1545



0.7372, 1.2898, 0.8147

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



35.7695, 27.3641, 34.8510



58.9485, 41.6760, 54.0789



33.1967, 26.5880, 20.5226



10.8401, 10.7194, 12.1414



16.5033, 8.3509, 7.8604



0.8180, 0.4100, 0.5646

Previews

White Background



This preview shows how the XYZ color 34.0105, 46.7778, 40.4942 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 34.0105, 46.7778, 40.4942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

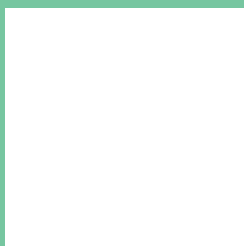
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.0105, 46.7778, 40.4942

Background



This preview shows how black text looks on a background with the XYZ color 34.0105, 46.7778, 40.4942.



This preview shows how white text looks on a background with the XYZ color 34.0105, 46.7778,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

34.0105, 46.7778, 40.4942

Protanopia

43.5956, 46.3585, 35.9285

Deuteranopia

47.2983, 46.3557, 42.0520



Tritanopia

39.1654, 46.8714, 66.0143

Trichromacy



Original Color

34.0105, 46.7778, 40.4942

Protanomaly

38.9129, 45.7663, 37.3547

Deuteranomaly

40.7779, 45.3956, 41.2633

Tritanomaly

37.0435, 46.6613, 55.7693

Monochromacy



Original Color

34.0105, 46.7778, 40.4942

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

35.9667, 41.9750, 42.2827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0105, 46.7778, 40.4942 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(118, 198, 160)` looks like.

```
.text, #text, p{  
    color:rgb(118, 198, 160)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(118, 198, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 198, 160) }
```

Border

The CSS property to change the border of an element to XYZ 34.0105, 46.7778, 40.4942 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 198, 160) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(118, 198, 160) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(118, 198, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 198, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 198, 160);  
box-shadow:4px 4px 4px 4px rgb(118, 198,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0105, 46.7778, 40.4942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 198, 160) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(118,  
198, 160) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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